

ABSTRACT

In a mobile communication system, an IP address of a mobile station MS is managed only in a node (for example, a radio network controller RNC), which is located on the end side of an access network. A user data addressed to the mobile station MS is broadcasted, on the assumption that the network has a sufficient transmission capacity. The mobile communication system performs user data communication in the form of packets, among a plurality of networks including a mobile network accommodating at least the mobile station. The mobile network is hierarchically structured, having a boundary node located on the boundary to a different network at the top of the hierarchy, and a plurality of nodes connected in a tree shape down to the mobile stations. Management information of the mobile stations is retained in the end-side node among the plurality of nodes.

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